

REMARKS

The previous Amendment points to certain claimed features, and this Supplemental Amendment is filed for consideration of the accompanying Declaration of Kane Ironside Under Rule 312 as being further supportive of those claimed features and that Amendment.

To summarize, those claimed features include: (1) the calcium sulfate dihydrate DSG particles are **uncalcined synthetic gypsum particles**; (2) the uncalcined synthetic calcium sulfate dihydrate DSG particles are present within the range of about **10% to 30% w:w** of the stucco or calcium sulfate hemihydrate, which improves acoustic properties of the wallboard; and (3) the sheets prepared are formed as gypsum wallboard by setting of the slurry **in the absence of compression**.

The present Supplemental Amendment and Ironside Declaration show that, when gypsum wallboard is made by the conventional process of setting the slurry (rather than by a process of prior art such as Deleuil wherein the gypsum material is molded through compression), compression is unnecessary and undesirable. For example, Dr. Ironside observes in paragraph 11 that, if a compression step were added such as taught by Deleuil, the result would be an undesirably dense product that

would not be wallboard as specified in the claims of the present application, the present claims excluding molded products such as ceiling tiles made in accordance with Deleuil.

Furthermore, Dr. Ironside, in paragraph 12, supports the fact that Baig paragraph [0030] mentions sound absorption and it is described as a characteristic measured with an impedance tube and recorded as an NRC value (see paragraph [0016] to [0017]). Dr. Ironside confirms that NRC is a dimensionless figure and relates to sound absorption and confirms that the measurement technique used is suitable for test items of centimeter dimensions and not the typical plasterboard sheet of a size of 3 square meters (the previous Amendment erroneously referenced 10 square meters).

Dr. Ironside goes on in paragraph 13 to confirm that sound insulation to improve wallboard acoustic properties does not concern NRC values, but same is measured in different ways and has units of dB.

Favorable consideration is respectfully requested.

Respectfully submitted,

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